



A32188 PCT/USA

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TO ALL WHOM IT MAY CONCERN:

Be it known that I, Wolfgang Held, a citizen of Germany, residing at Wilhelmstraße 1, D-38448 Wolfsburg, Germany, have invented an improvement in

SPARK-IGNITED INTERNAL COMBUSTION ENGINE
OXIDE GAS ABSORBING ARRANGEMENT AND METHOD

of which the following is a

SPECIFICATION

REFERENCE TO RELATED APPLICATION

This is a divisional of copending application Ser. No. 09/252,507 filed on 2/18/99

This application is a continuation of International Application No. PCT/EP97/

04307, filed August 7, 1997.

BACKGROUND OF INVENTION

This invention relates to absorbing arrangements and methods for temporarily storing oxides of nitrogen and sulfur and removing such oxides from the exhaust gas from spark-ignited internal combustion engines.

5 As used herein, the term "absorb" includes the chemical process for storing gases such as, for example, by conversion of barium oxide to barium nitrate for storage of nitrogen oxide.

United States Patent No. 4,755,499 discloses an arrangement for the reversible storage of oxides of nitrogen and sulfur, for example from motor vehicle exhaust gases, in
10 which the absorber is regenerated by heating in a reducing atmosphere. In this arrangement, a reduction of the nitrogen oxides takes place at the same time.

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